

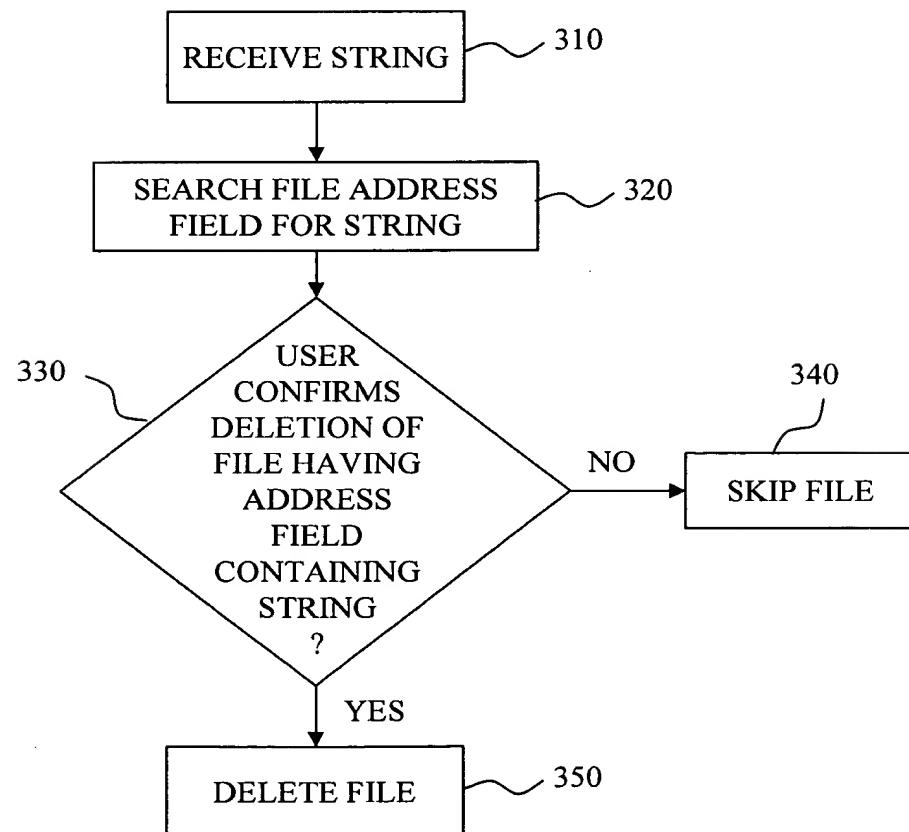
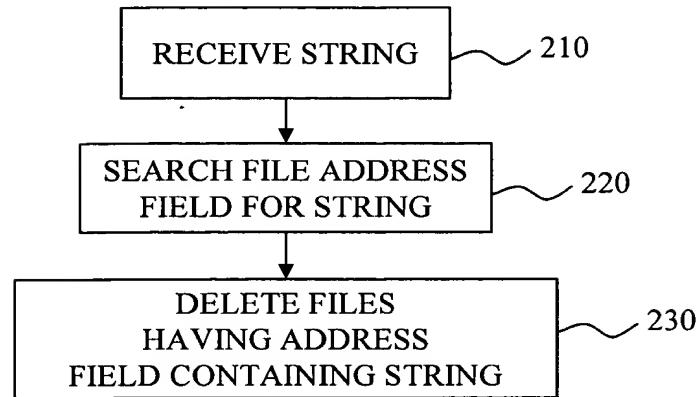


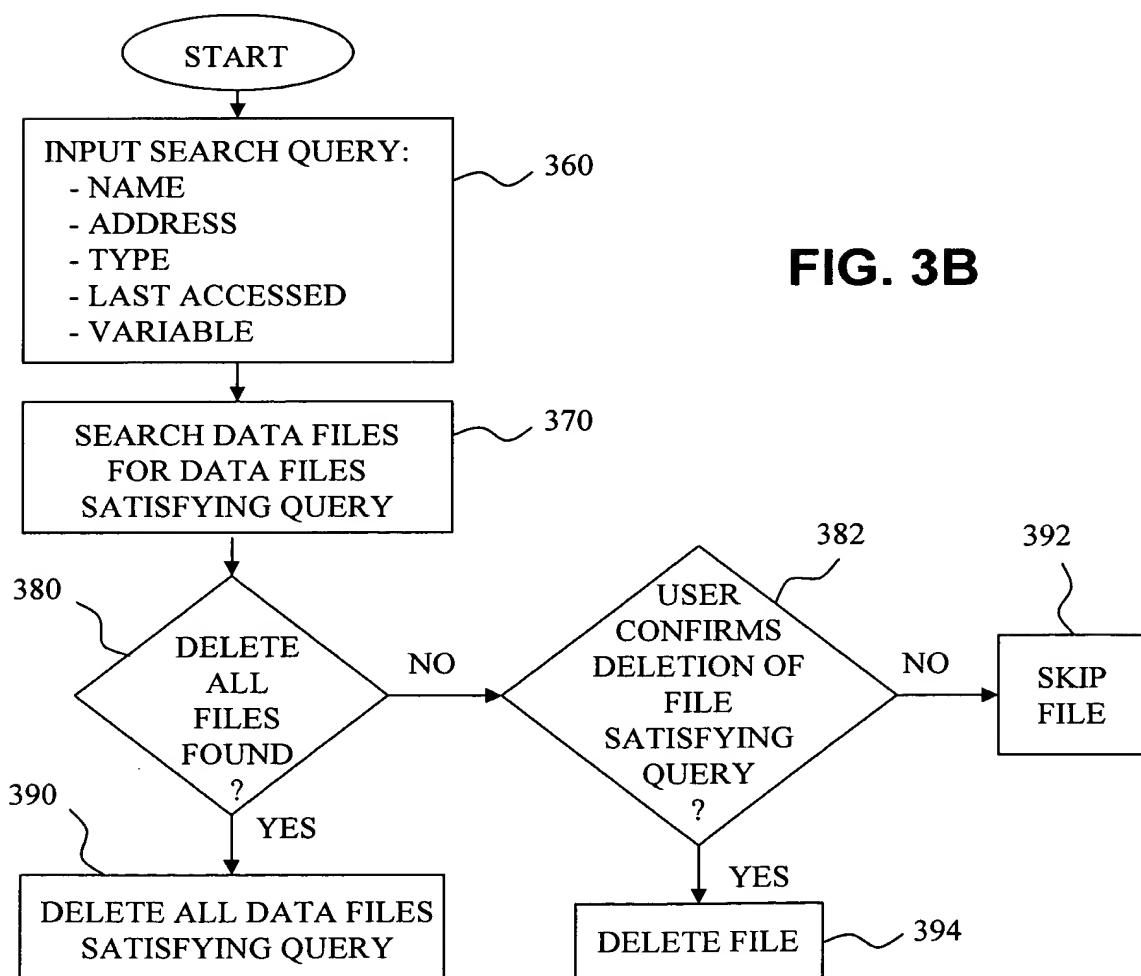
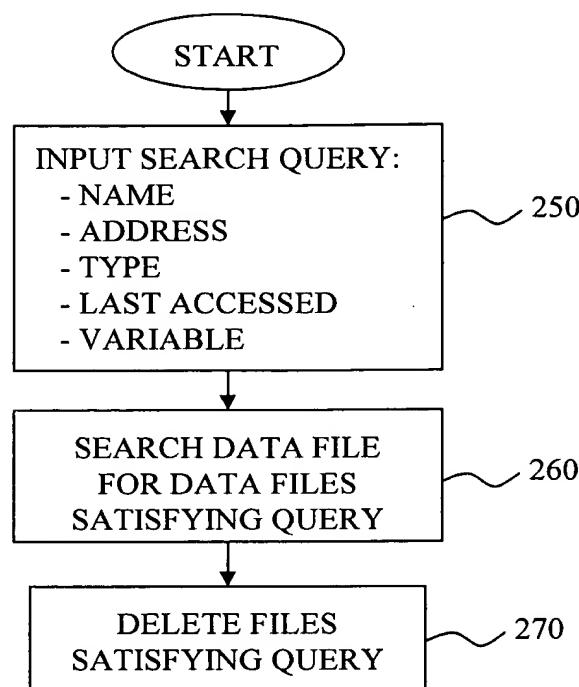
DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWSERS

Inventors: Charles E. Hill
 Serial No.: 09/873,539
 Atty. Docket: HIL-P004-01
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| Name | Internet Address | Type | Size | Expires | Last Modified | Last Accessed | Last Checked |
|---------------|---|------|--------|---------|----------------|----------------|----------------|
| image1.jpg | http://domain1.com/page1/image1.jpg ~ ²¹ | JPEG | 5.0KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| image2.jpg | http://domain1.com/page2/image2.jpg ~ ²² | JPEG | 5.0KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| image3.jpg | http://domain1.com/page3/image3.jpg ~ ²³ | JPEG | 5.0KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| image4.gif | http://domain2.com/page1/image4.gif ~ ²⁴ | GIF | 8.0KB | None | 6/2/00 6:00AM | 6/3/00 10:00PM | 6/3/00 10:00PM |
| image5.gif | http://domain2.com/page2/image5.gif ~ ²⁵ | GIF | 8.0KB | None | 6/2/00 6:00AM | 6/3/00 10:00PM | 6/3/00 10:00PM |
| image6.gif | http://domain2.com/page3/image6.gif ~ ²⁶ | GIF | 8.0KB | None | 6/2/00 6:00AM | 6/3/00 10:00PM | 6/3/00 10:00PM |
| image7.jpg | http://domain3.com/page1/image7.jpg ~ ²⁷ | JPEG | 4.0KB | None | 5/31/00 8:30AM | 6/3/00 10:02PM | 6/3/00 10:02PM |
| image8.jpg | http://domain3.com/page2/image8.jpg ~ ²⁸ | JPEG | 4.0KB | None | 5/31/00 8:30AM | 6/3/00 10:02PM | 6/3/00 10:02PM |
| products.html | http://products.com/page1/products.html ~ ²⁹ | HTML | 31.5KB | None | None | 6/3/00 10:11PM | 6/3/00 10:11PM |

FIG. 1





DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWERS

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| Search: "domain1! AND Last Modified = 6/1/00" | | | | | | |
|---|-------------------------------------|-------|---------------------|---------------|---------------|---------------|
| Name | Internet Address | Size | Expires | Last Modified | Last Accessed | Last Checked |
| image1.jpg | http://domain1.com/page1/image1.jpg | 5 KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| image2.jpg | http://domain1.com/page2/image2.jpg | 5 KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| Cookie: User@domain1.com | Cookie: User@domain1.com/ | 1KB | 9/3/01 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| index.html | http://domain1.com/index | 11 KB | 9/30/00 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| widget.bmp | http://domain1.com/widget.bmp | 27 KB | 9/30/00 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |

FIG. 2D

DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWSERS

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| Search: Name= !widget! or !cookie! AND Address = !domain! AND Type = (Cookie or JPEG) AND Last Accessed >= 6/1/00 AND Site Freq >10/M | | | | |
|--|-------------------------------------|----------------|-----------------|------------|
| Name: | Internet Address: | Type: | Last Accessed: | Site Freq: |
| !widget! or !cookie! | !domain! | Cookie or JPEG | >= 6/1/00 | >10/Month |
| widget1104.jpg | http://domain1.com/wideget.1104.jpg | JPEG | 9/30/00 12:00AM | 17 |
| Cookie: User@domain1.com | Cookie: User@domain1.com | Cookie | 6/1/00 7:20AM | 22 |

FIG. 2C

| Search: "!domain! AND !widget!" | | | | |
|---------------------------------|--------------------------------|-------|------------------|---------------|
| Name | Internet Address | Size | Expires | Last Modified |
| widget.asp | http://domain1.com/wideget.asp | 4KB | None | None |
| widget.bmp | http://domain1.com/wideget.bmp | 27 KB | 9/30/00 12:00 AM | 6/1/00 7:20AM |

FIG. 2E

DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWERS

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| Search: "TYPE = cookie AND Last Accessed = 6/1/00" | | | | | | |
|--|---------------------------|------|-------------------|----------------|----------------|----------------|
| Name | Internet Address | Size | Expires | Last Modified | Last Accessed | Last Checked |
| Cookie: User@domain2.com | Cookie: User@domain2.com/ | 1 KB | 10/3/01 12:00 AM | 6/1/00 9:00 AM | 6/1/00 9:00 AM | 6/1/00 9:00 AM |
| Cookie: User@domain3.com | Cookie: User@domain3.com/ | 1 KB | 12/12/01 12:00 AM | 6/1/00 7:35AM | 6/1/00 8:04 AM | 6/1/00 8:04 AM |
| Cookie: User@domain1.com | Cookie: User@domain1.com/ | 1KB | 9/3/01 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |

FIG. 2F

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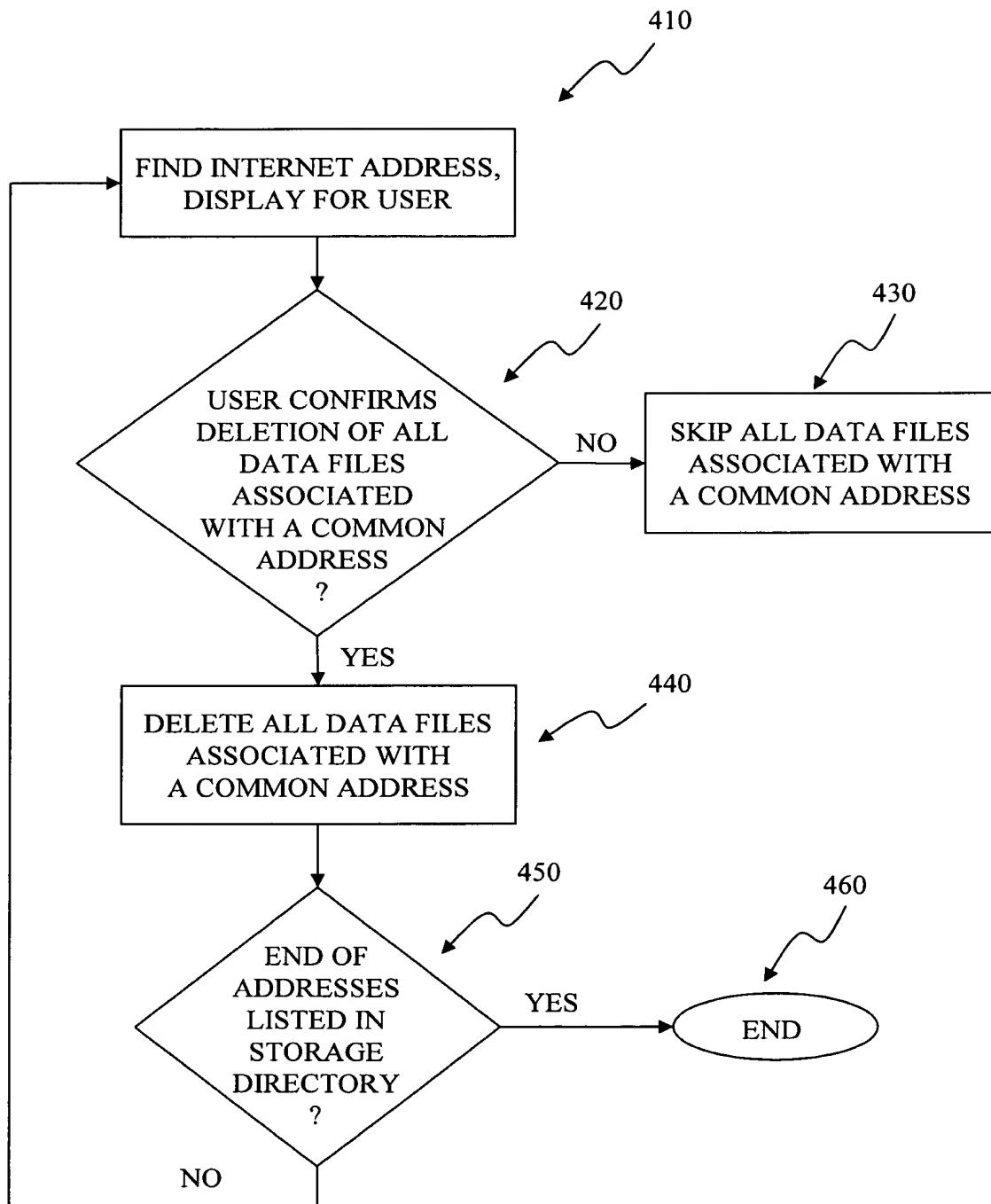


FIG. 4

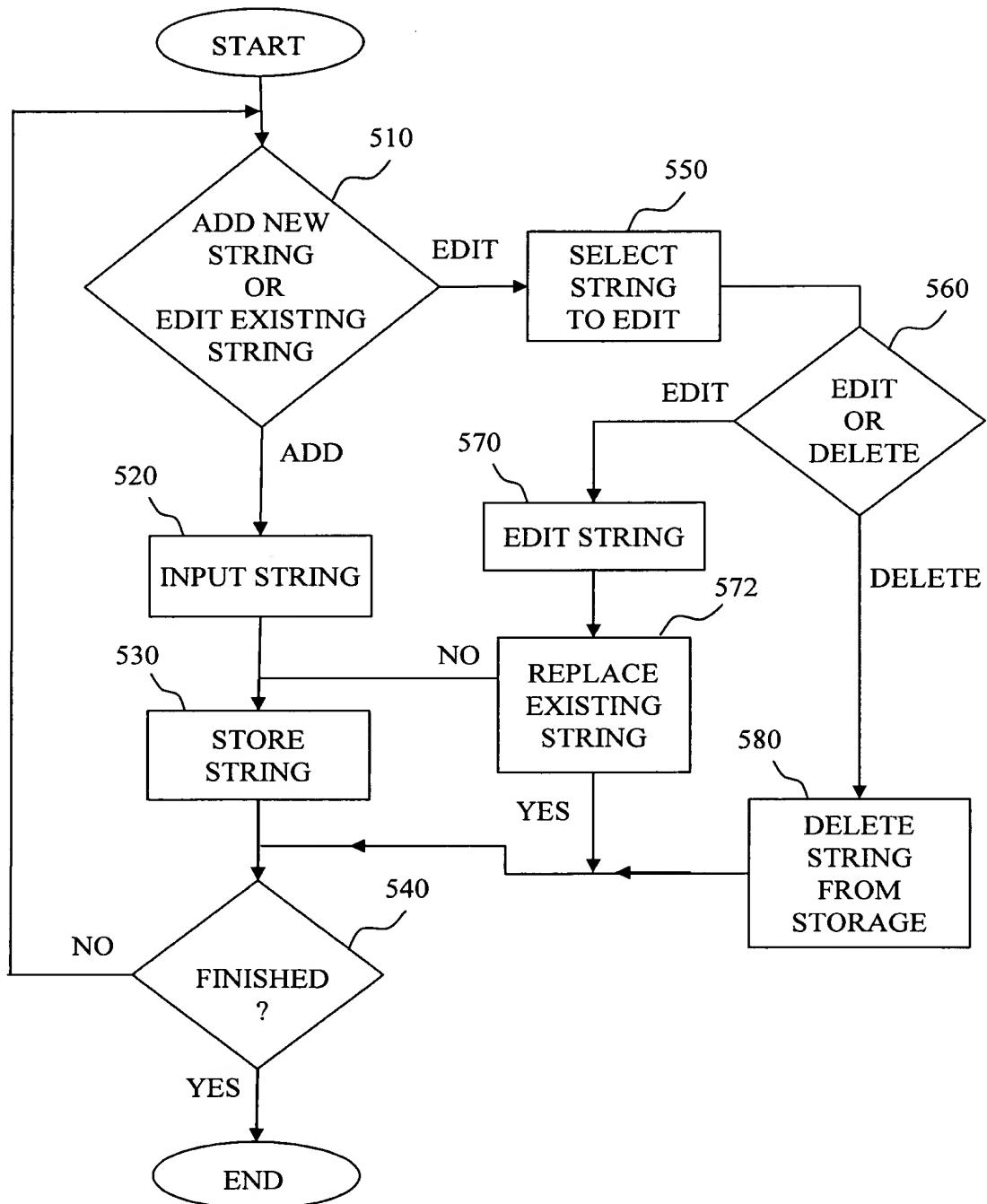


FIG. 5

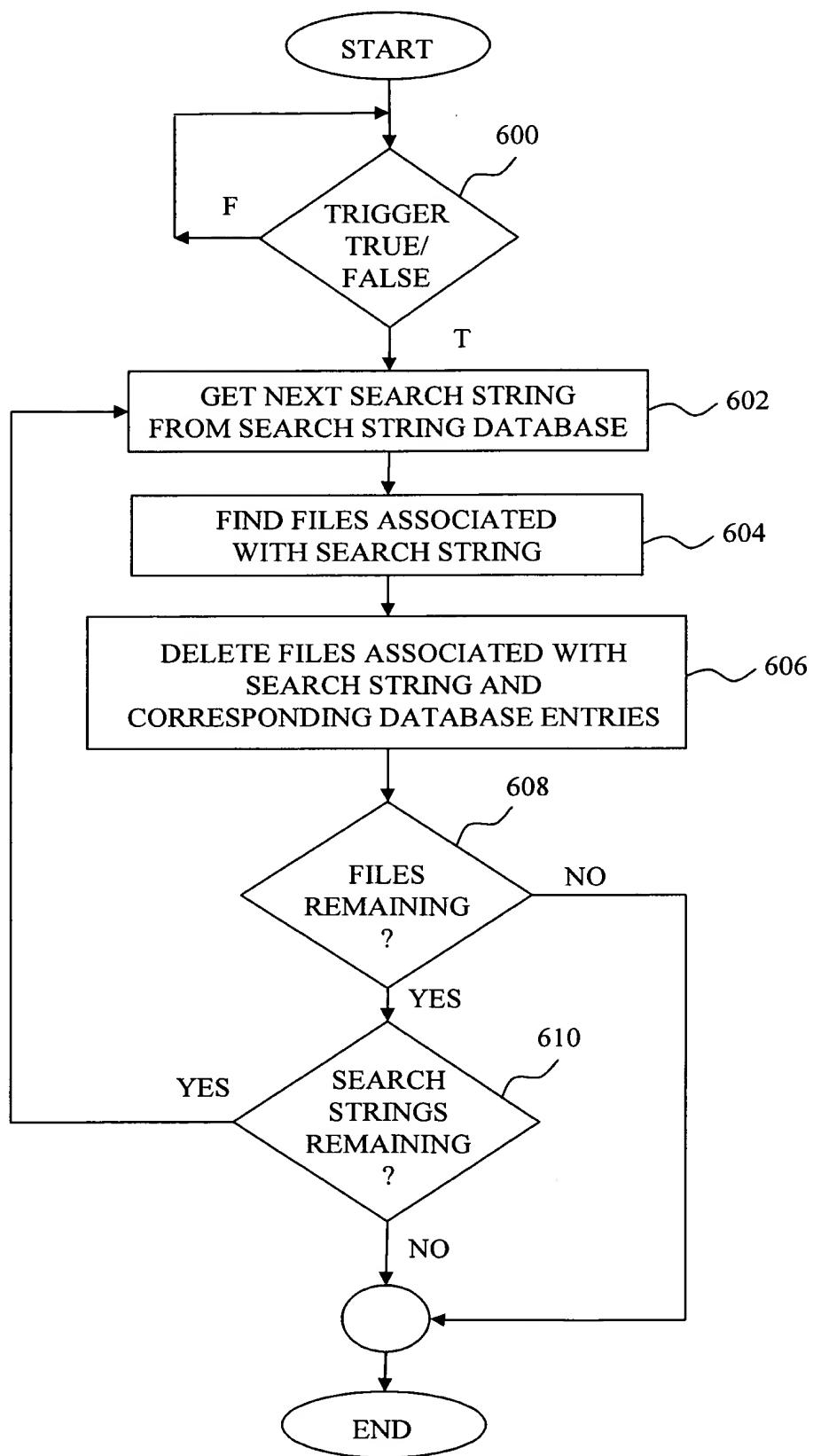


FIG. 6A

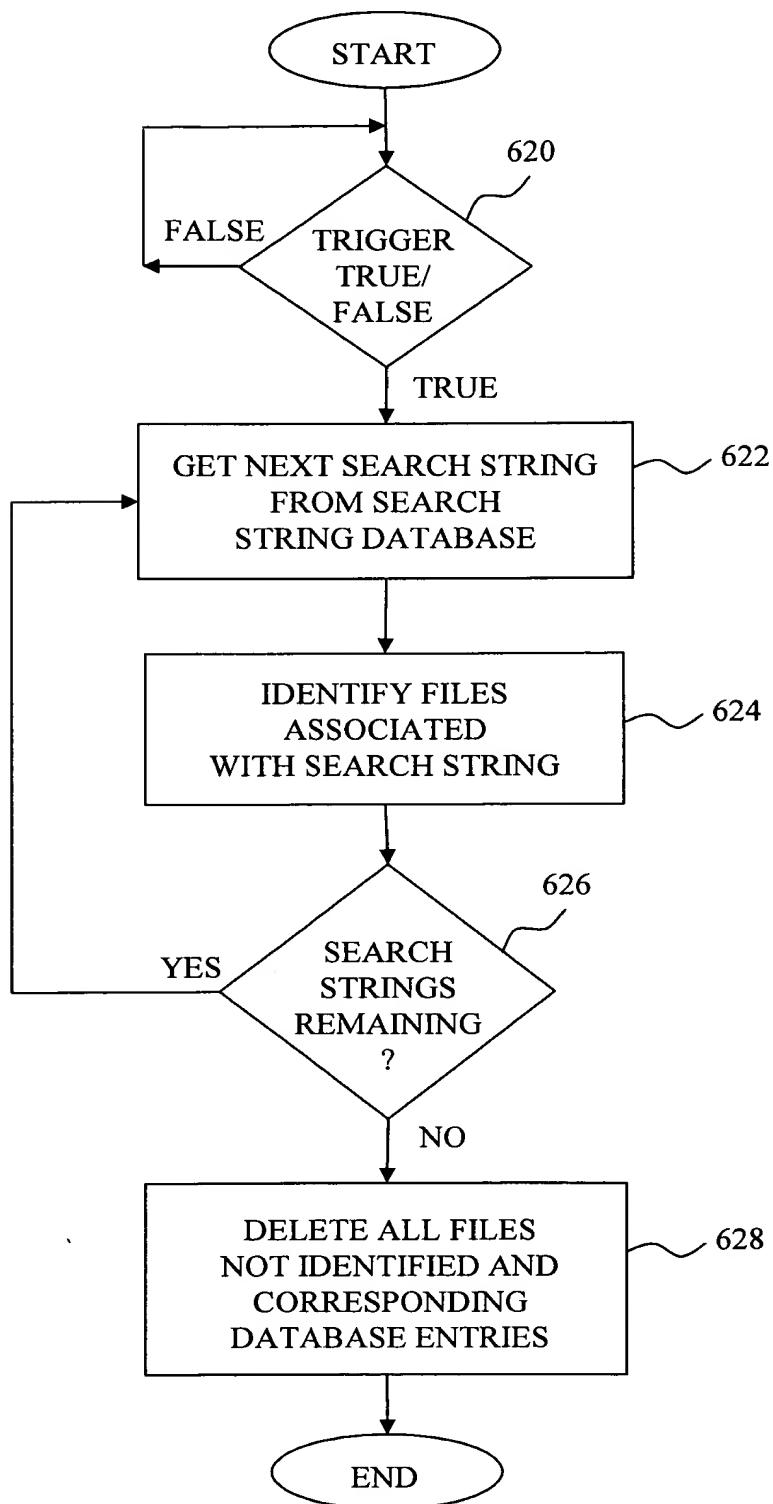
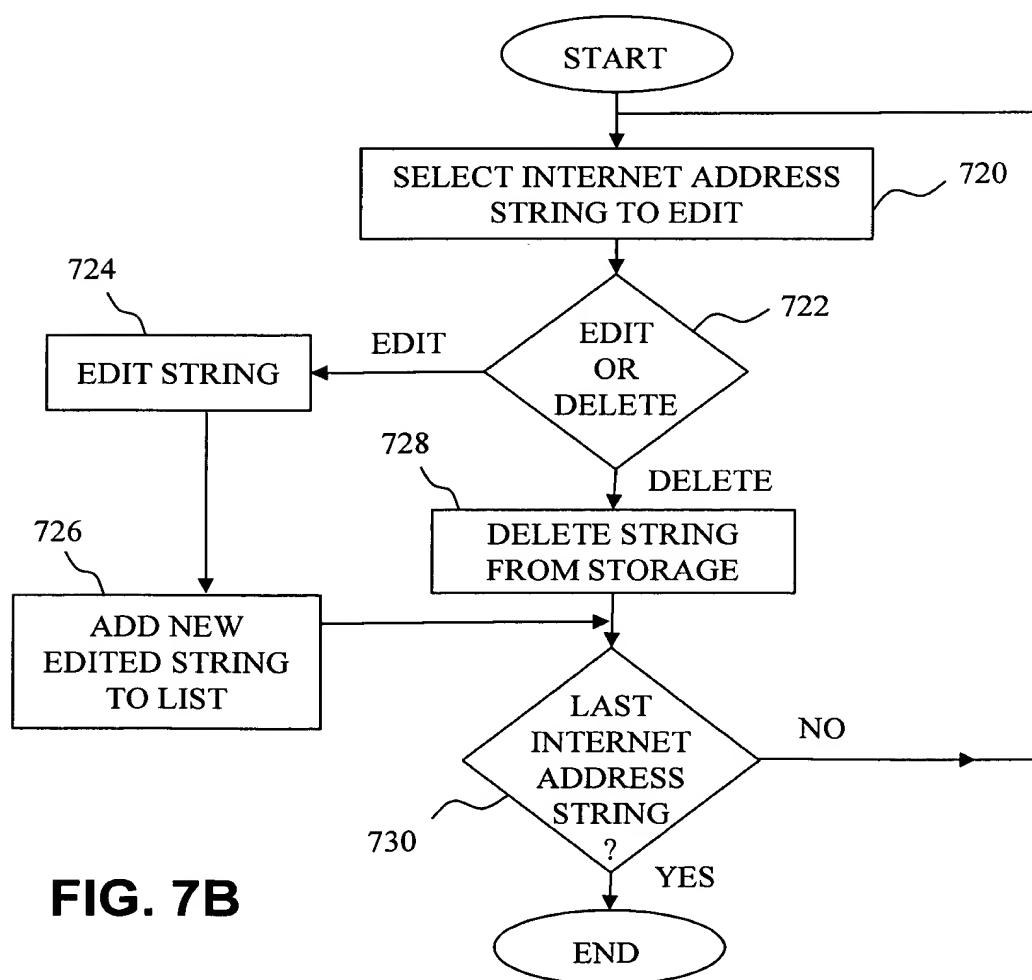
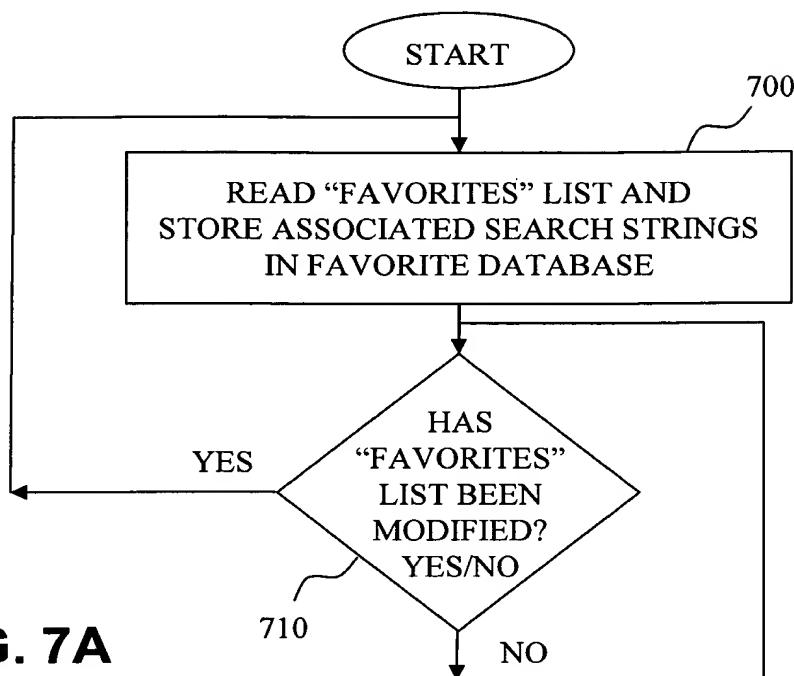


FIG. 6B



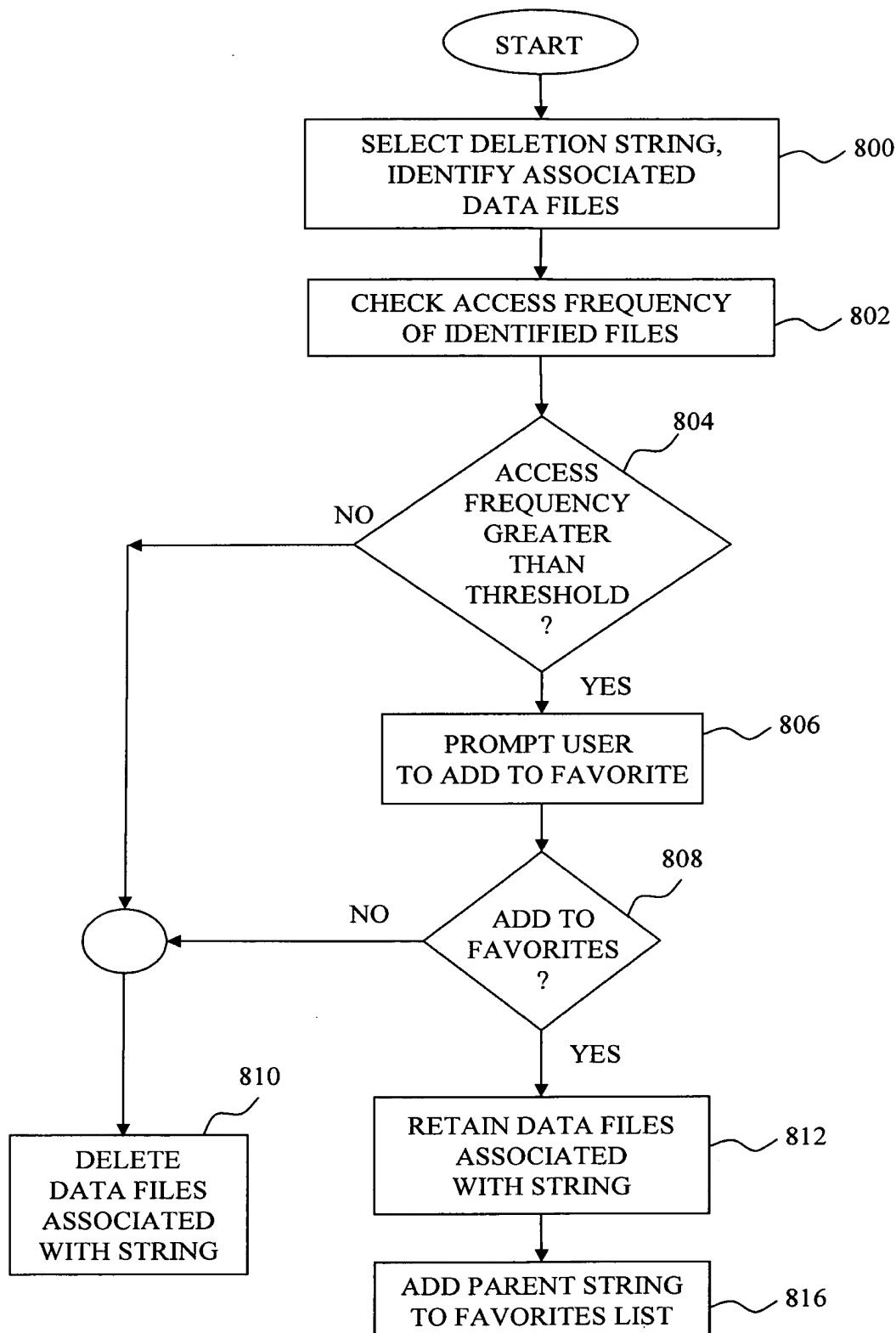


FIG. 8A

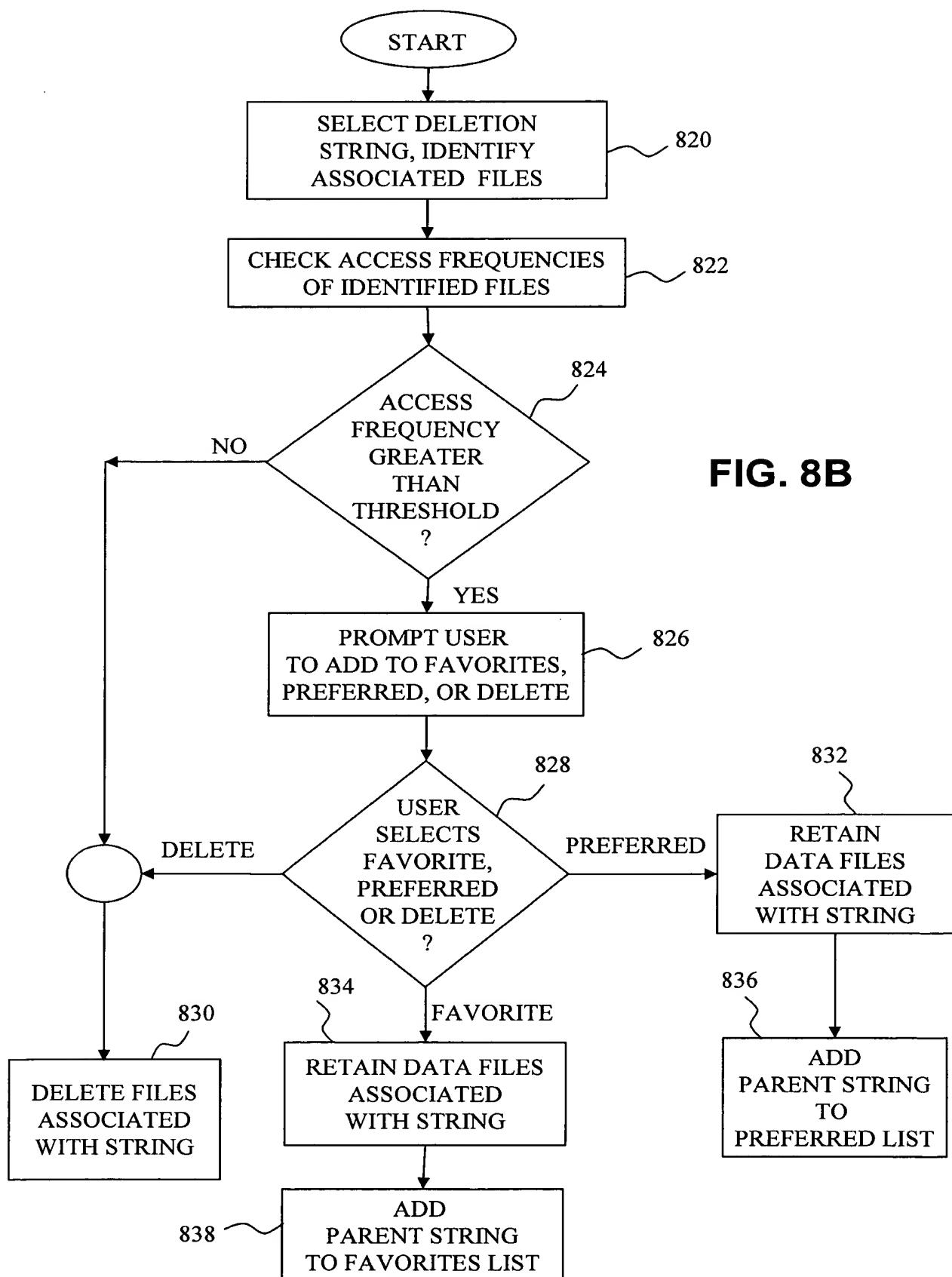


FIG. 8B

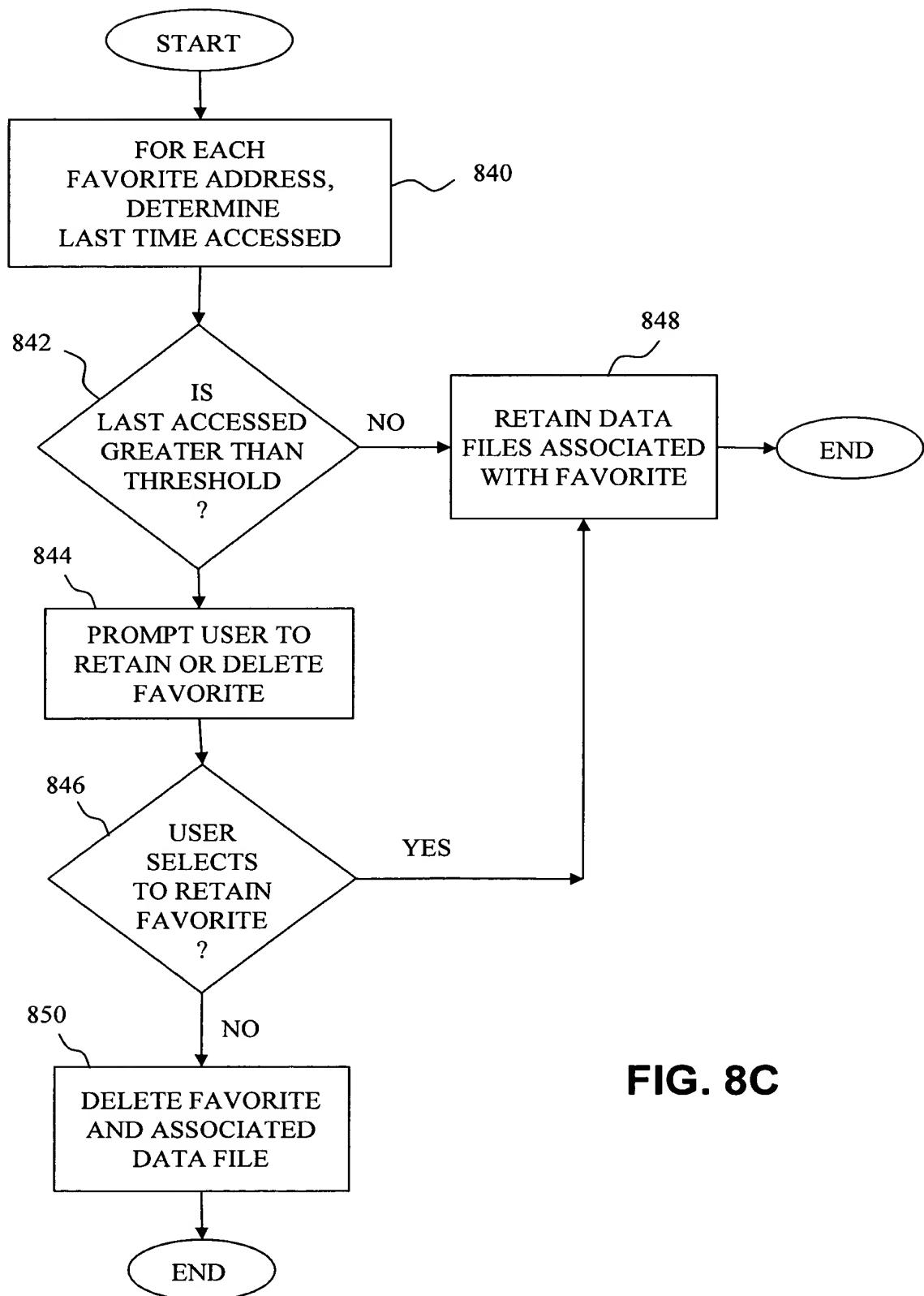
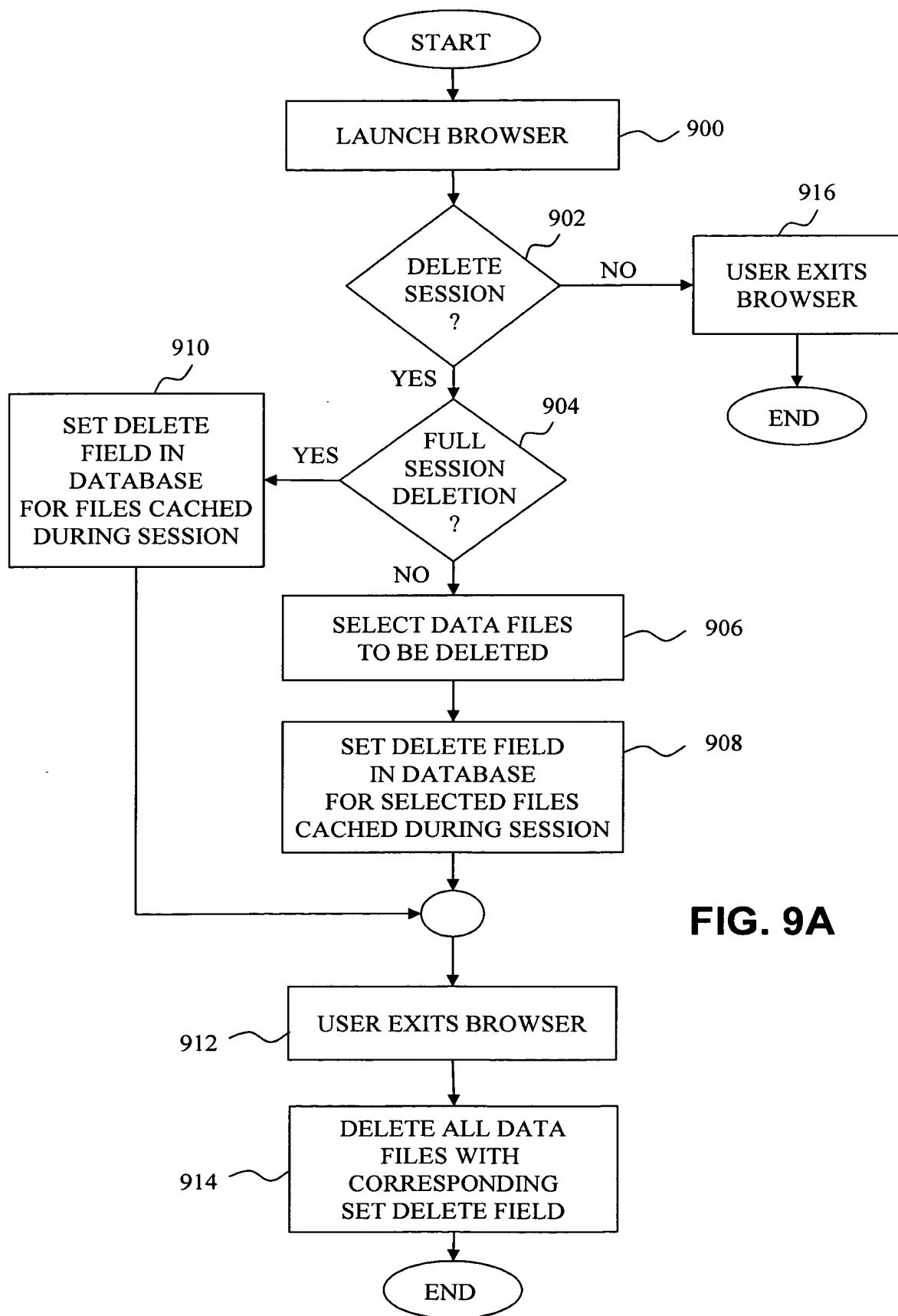


FIG. 8C

**FIG. 9A**

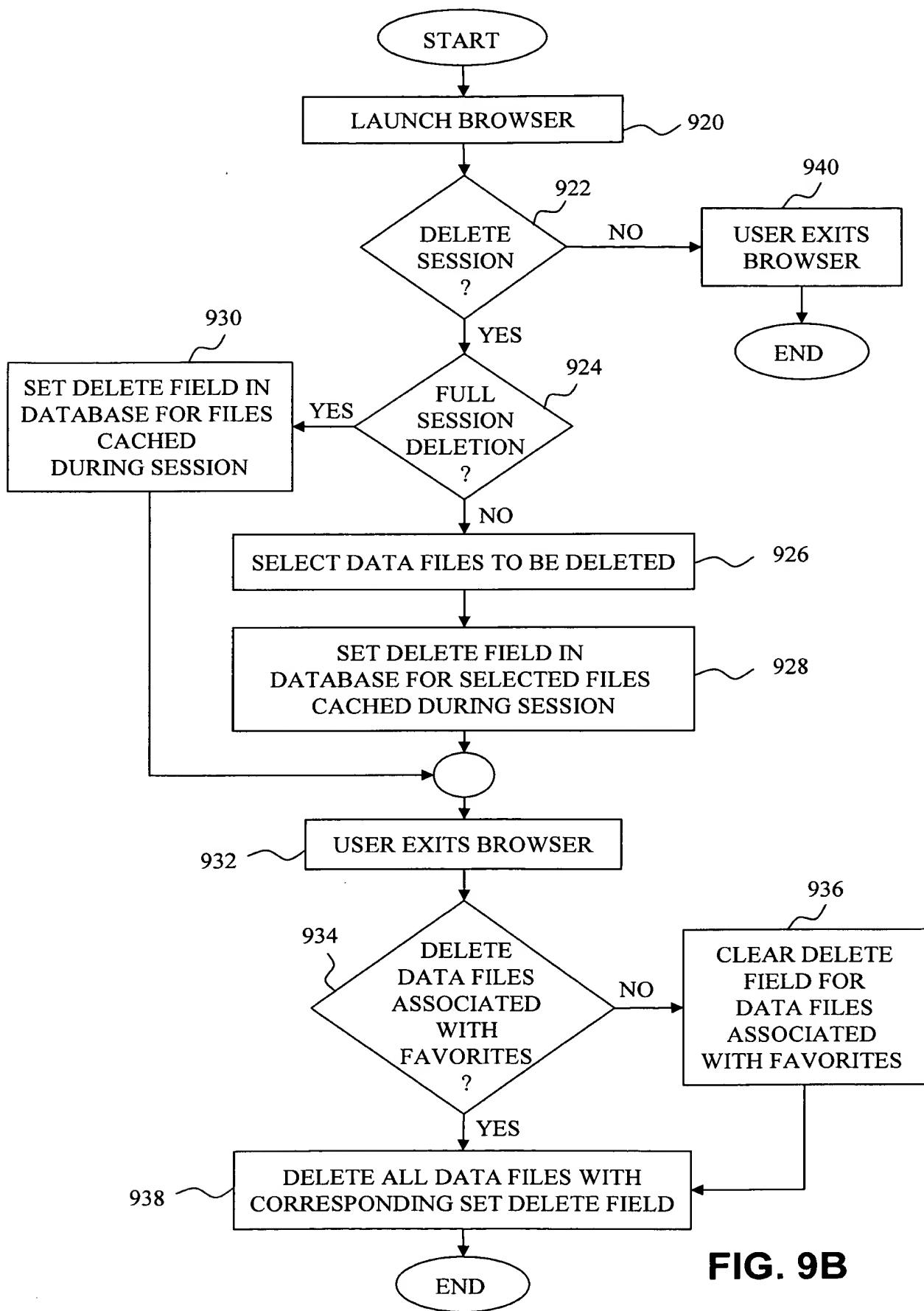


FIG. 9B

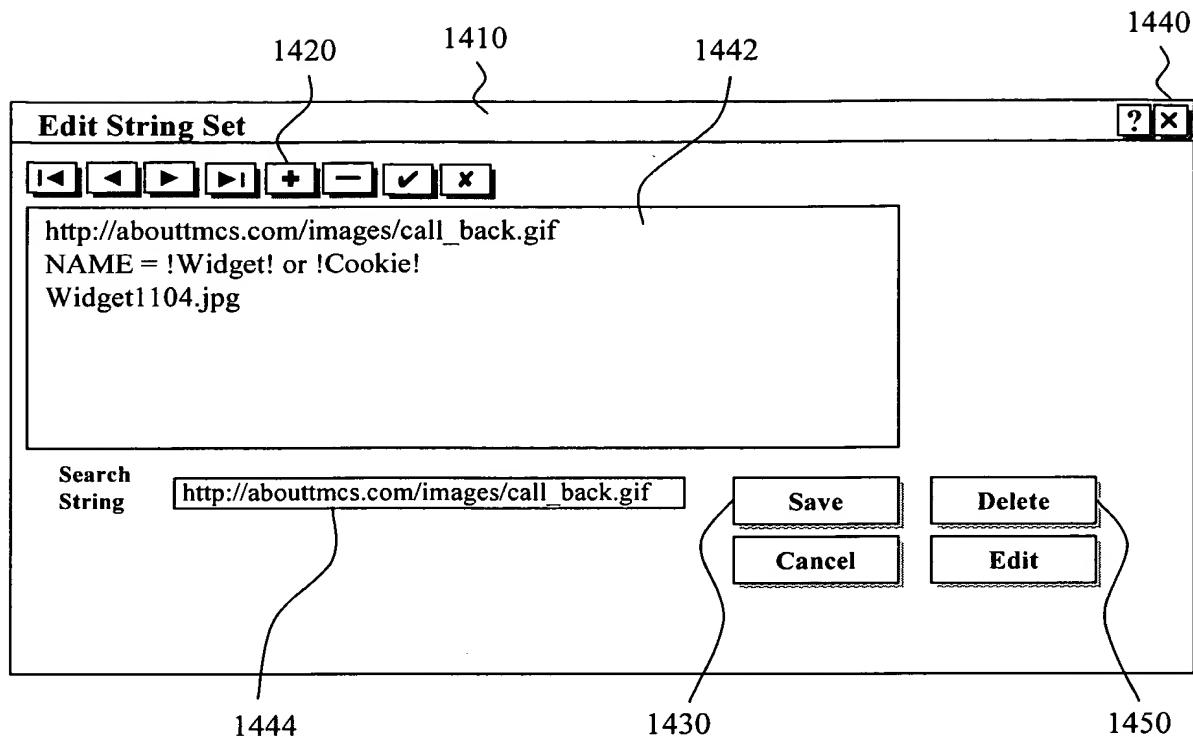


FIG. 10A

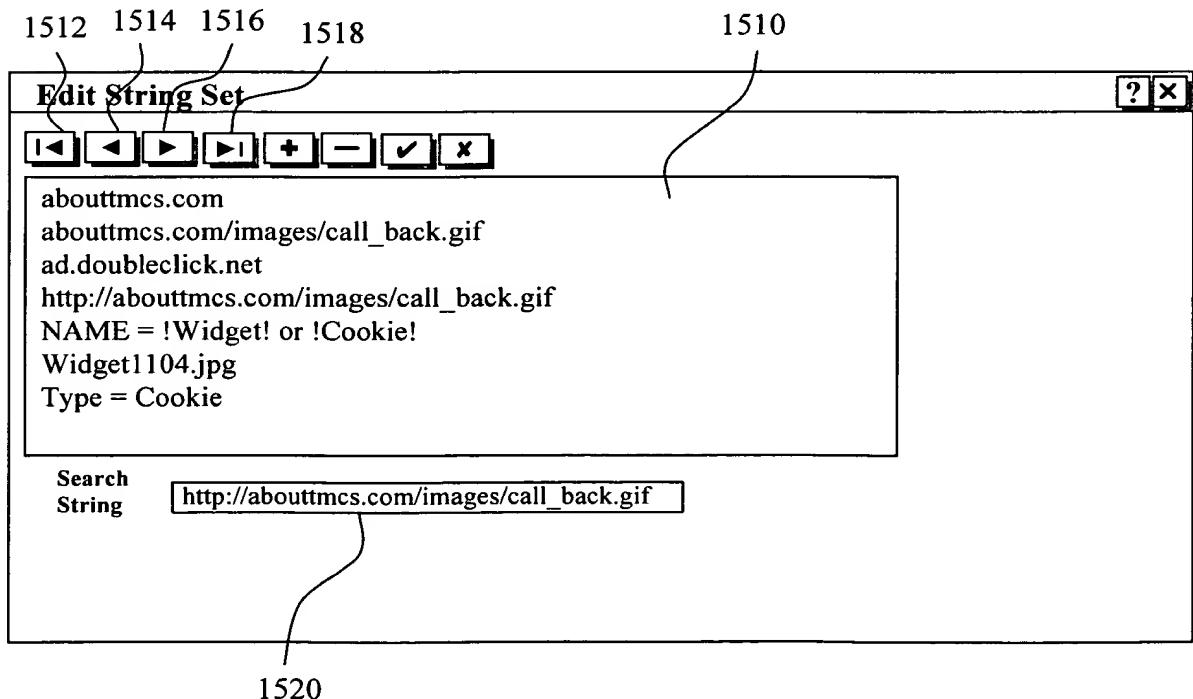


FIG. 11A

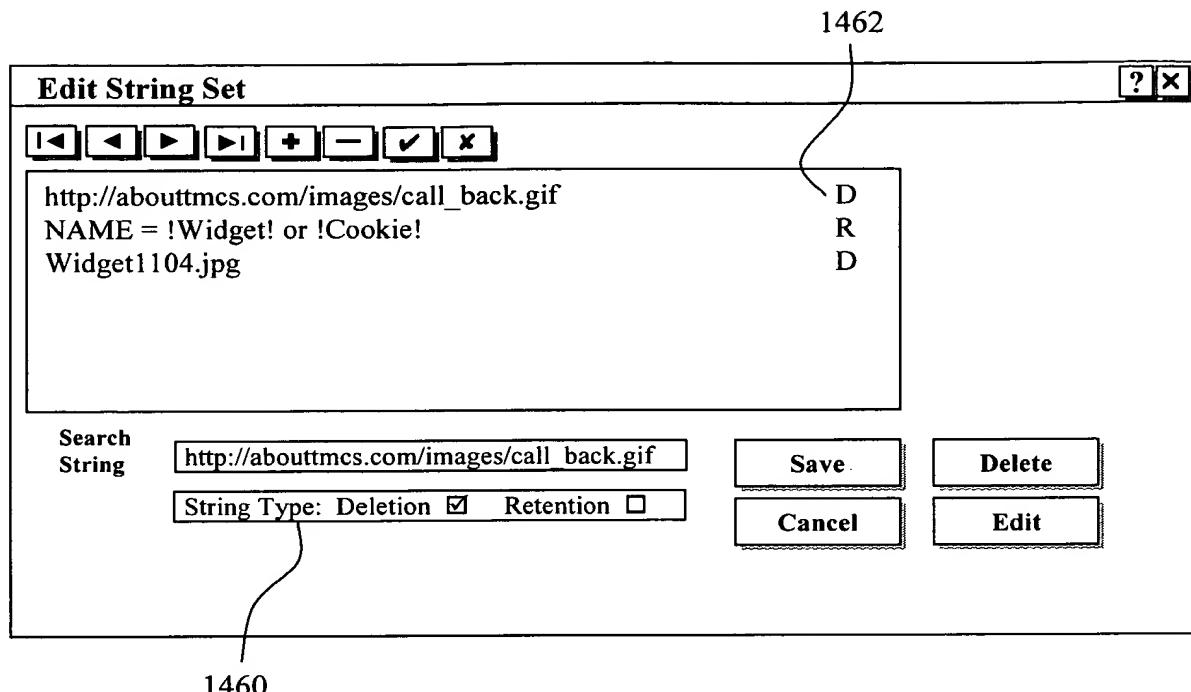


FIG. 10B

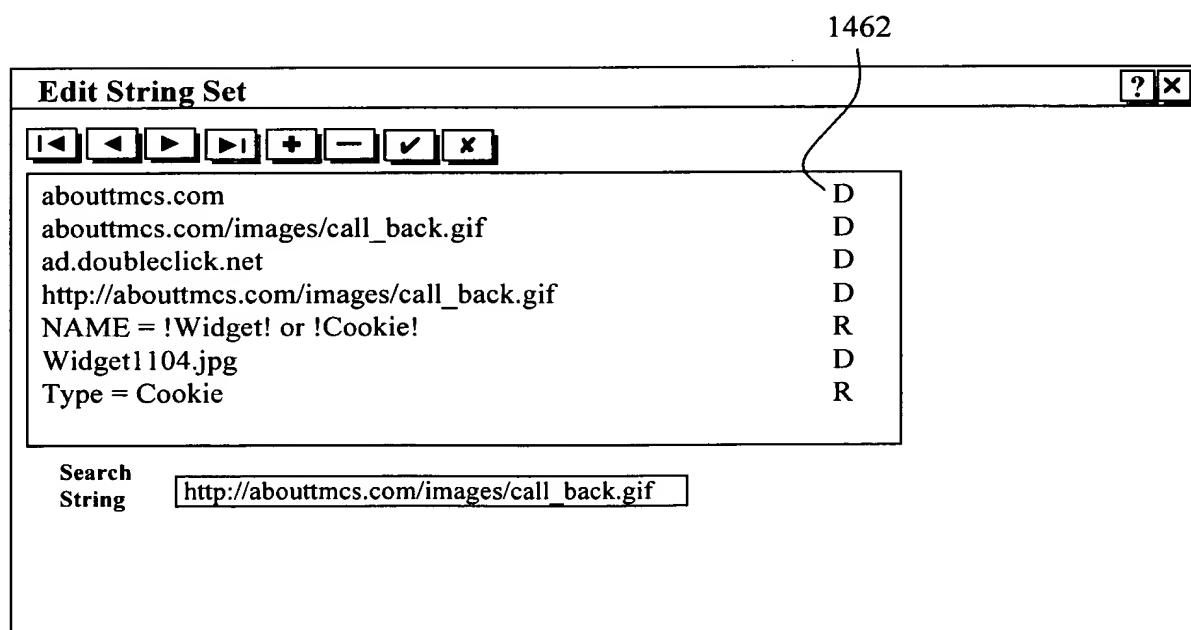


FIG. 11B

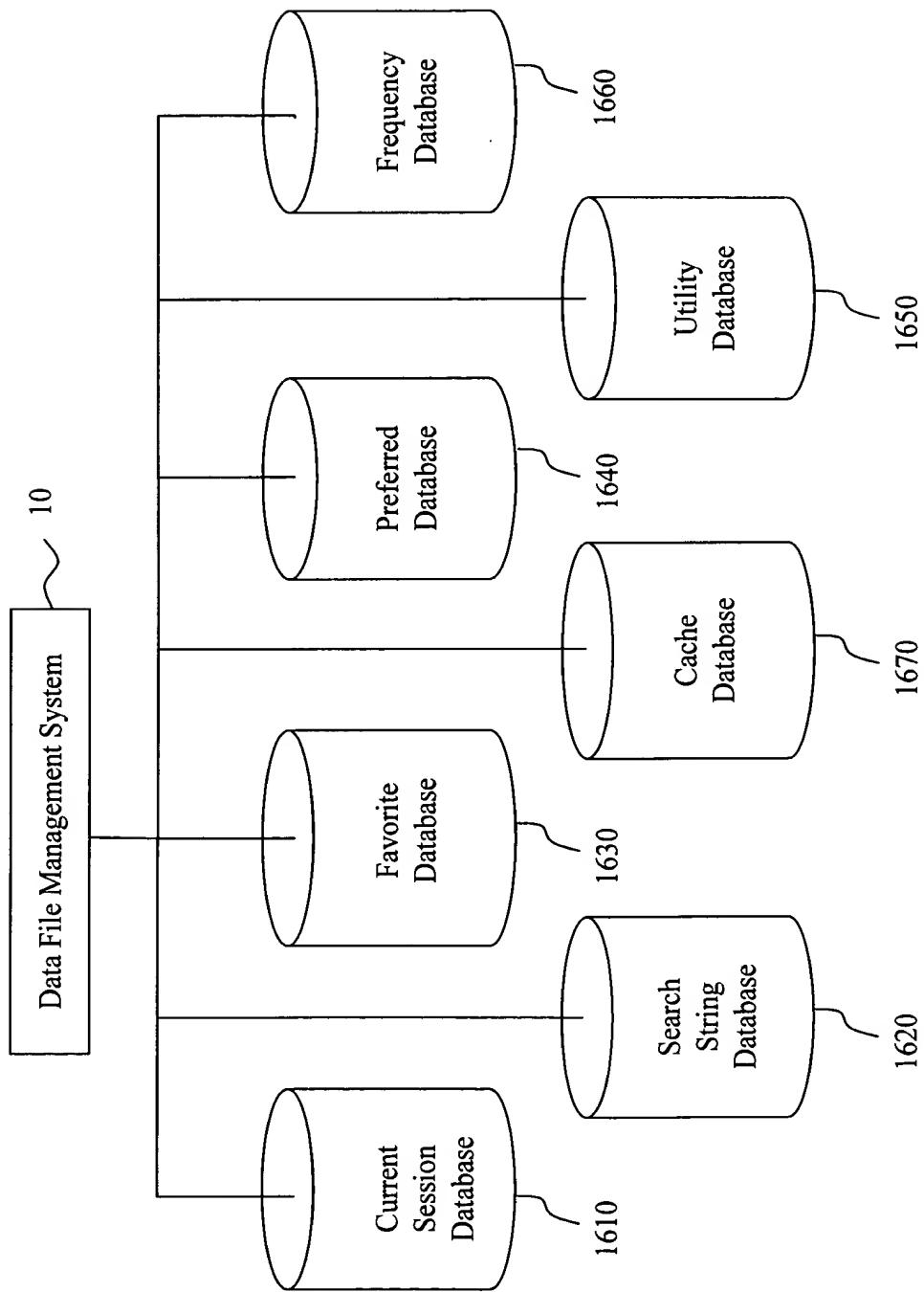


FIG. 12

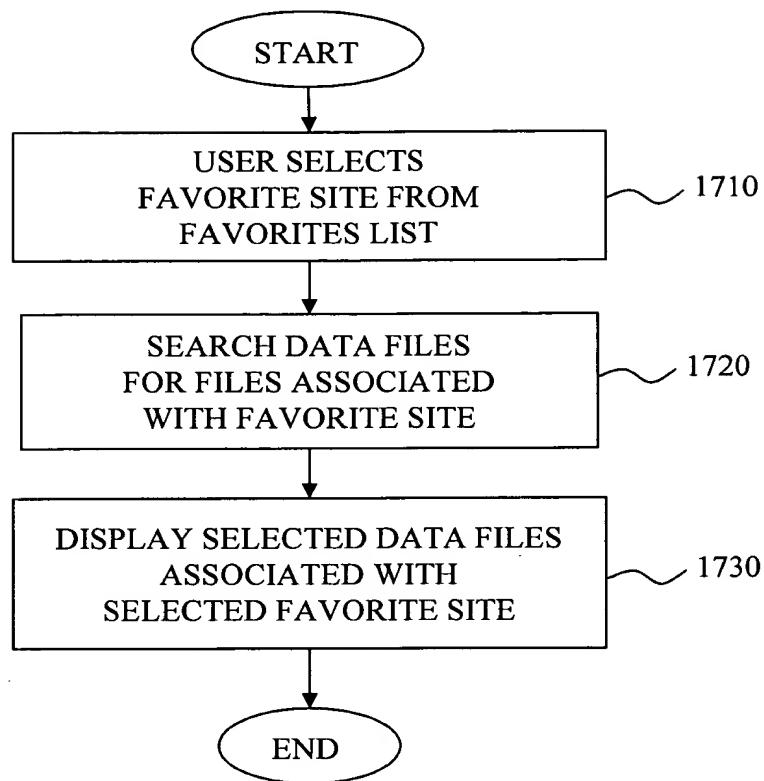


FIG. 13

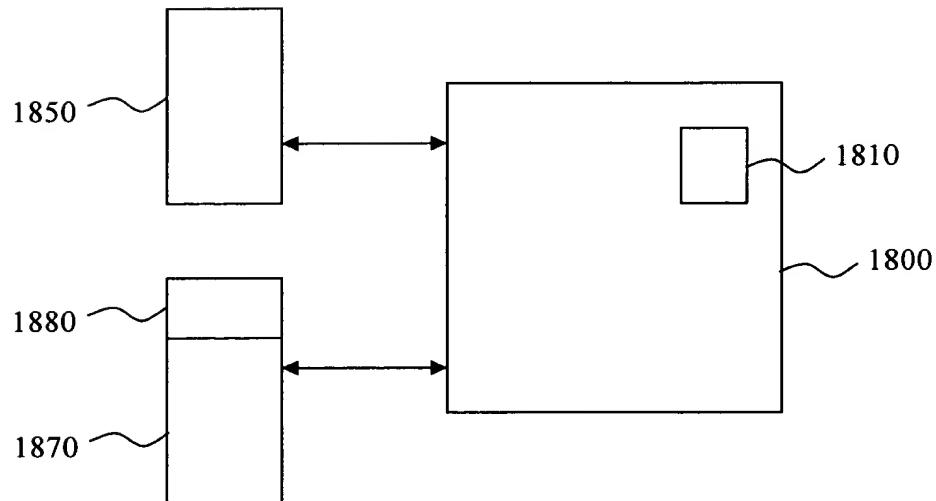


FIG. 16

| Files Associated With Favorite "Widgets From Domain1.com" | | | | | | |
|---|-------------------------------------|-------|------------------|---------------|---------------|---------------|
| Name | Internet Address | Size | Expires | Last Modified | Last Accessed | Last Checked |
| image1.jpg | http://domain1.com/page1/image1.jpg | 5 KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| image2.jpg | http://domain1.com/page2/image2.jpg | 5 KB | None | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| Cookie: User@domain1.com | Cookie: User@domain1.com/ | 1KB | 9/3/01 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| index.html | http://domain1.com/index | 11 KB | 9/30/00 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |
| widget.asp | http://domain1.com/wideget.asp | 4 KB | None | None | 6/1/00 8:00AM | 6/1/00 8:00AM |
| widget.bmp | http://domain1.com/wideget.bmp | 27 KB | 9/30/00 12:00 AM | 6/1/00 7:20AM | 6/1/00 8:00AM | 6/1/00 8:00AM |

FIG. 14

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| Files Associated With Favorite "Widgets From Domain1.com" | | | | | |
|---|-------------------------------------|---------------|--------------------------|--------------------------|------|
| Name | Internet Address | Last Accessed | Delete? | <input type="checkbox"/> | 1510 |
| image1.jpg | http://domain1.com/page1/image1.jpg | 6/1/00 8:00AM | <input type="checkbox"/> | <input type="checkbox"/> | 1520 |
| image2.jpg | http://domain1.com/page2/image2.jpg | 6/1/00 8:00AM | <input type="checkbox"/> | <input type="checkbox"/> | 1530 |
| Cookie: User@domain1.com | Cookie: User@domain1.com/ | 6/1/00 8:00AM | <input type="checkbox"/> | <input type="checkbox"/> | 1540 |
| index.html | http://domain1.com/index | 6/1/00 8:00AM | <input type="checkbox"/> | <input type="checkbox"/> | 1550 |
| widget.asp | http://domain1.com/widget.asp | 6/1/00 8:00AM | <input type="checkbox"/> | <input type="checkbox"/> | 1560 |
| widget.bmp | http://domain1.com/widget.bmp | 6/1/00 8:00AM | <input type="checkbox"/> | <input type="checkbox"/> | 1570 |

FIG. 15